

The background of the slide features a large, semi-transparent seal of the Executive Order of the President of the United States. The seal is circular with a gold border. Inside the border, the words "EXECUTIVE ORDER OF THE PRESIDENT OF THE UNITED STATES" are written in a circular path. In the center of the seal is an eagle with its wings spread, holding an olive branch and arrows. The eagle's chest is covered by a shield with a blue top section and red and white vertical stripes. The entire seal is set against a blue background with a pattern of white stars.

PART

Refresher Training

Welcome

- Purpose of Training
- Review of the PART Schedule
- Highlight guidance
- Improvement Plans
- Discussion

PART Schedule (p. vii)

- Review of Overall 2006 PART Schedule
 - Complete PART Drafts by April 14th
 - Consistency Check and Review of Performance Measures – June 26th – July 11th
 - Appeals Process – Due by August 4th
 - Draft PART Summaries for ExpectMore. gov by September 15th
- PARTs should be cited in OMBJs & CJs
- PART findings should be considered during budget decisions

2006 Guidance Changes (p. vi)

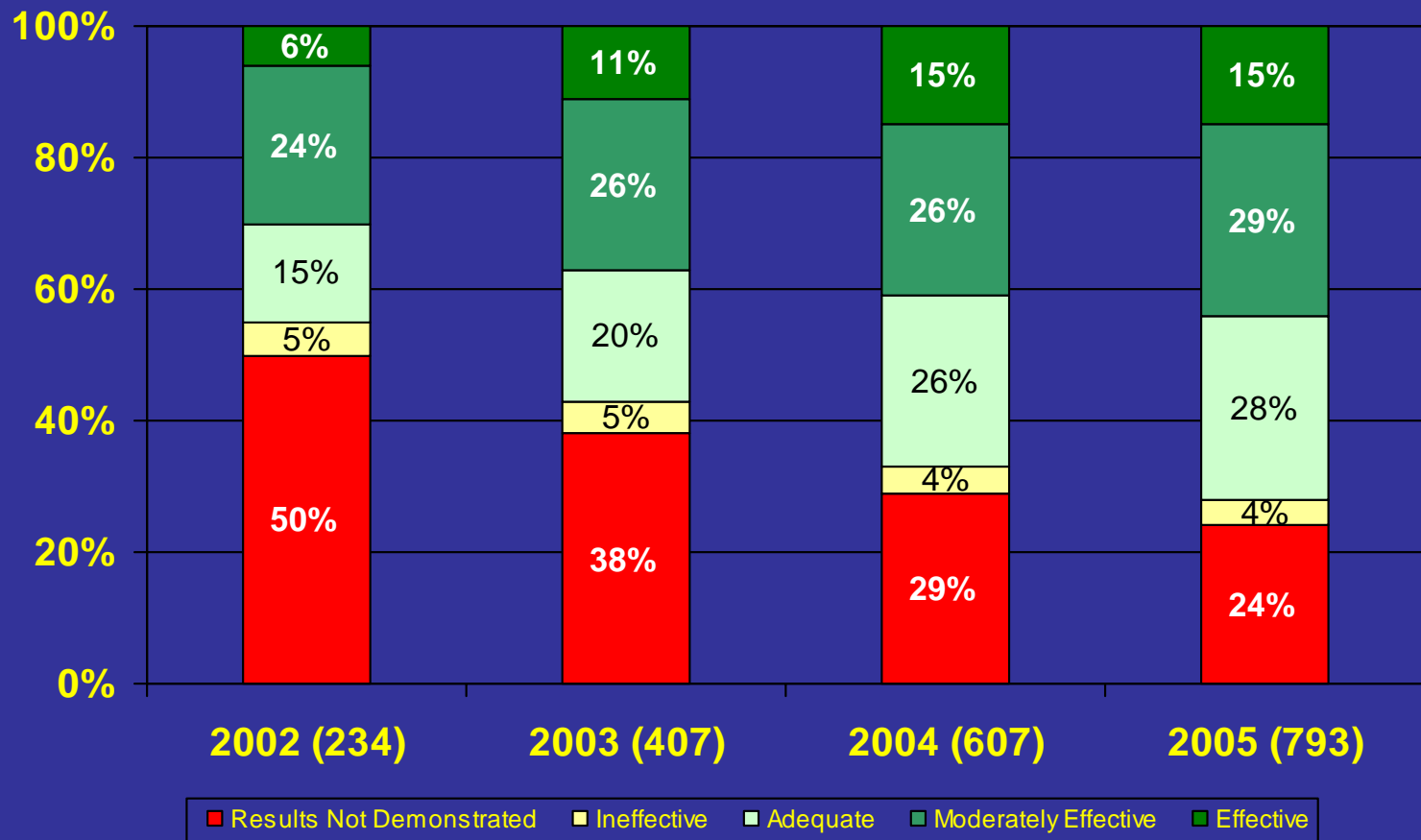
- Option for abbreviated reassessment
- Clarifies the distinction between questions 1.4 (design flaws) and 1.5 (targeting)
- Adds “accurate reporting” as a requirement to question 3.3 (obligation of funds)
- Streamlines regulatory-based program-specific questions
- Requests specific information in the explanation for question 4.3 (efficiency improvements)

How We Use the PART

- Identify program strengths and weaknesses
- Inform and justify budget and legislative proposals
- Identify actions to improve programs
- Increase accountability
- Cross-cutting analysis

Where We Are Today

Distribution of Cumulative Ratings per Year




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PROGRAM ASSESSMENT

Nuclear Physics

This program supports nuclear accelerator facilities and funds research in fundamental nuclear physics and related fields, including nuclear astrophysics.

PERFORMING

☆☆☆ Effective

- **The program engages its advisory committee in a manner that produces responsible strategic advice within realistic budget scenarios.** Most recently, the advisory committee recommended that one major user facility continue to operate at the expense of another under a reduced budget scenario. Such difficult, but realistic recommendations are rarely, if ever, made by similar advisory panels.
- **The program is also using external expert assessments to review the quality, relevance, and performance of the program's research portfolio and grant management process.**
- **The program's major experimental facilities have produced a series of very important scientific results in the past several years.**

We are taking the following actions to improve the performance of the program:

- Responding to the recommendations of recent advisory committee reports, including implementing a budget-constrained and phased plan for the future of its research facilities.
- Engaging the National Academies, including experts outside of nuclear physics, to study the scientific capabilities of a proposed rare isotope accelerator in an international context.
- Maximizing operational efficiency of major experimental facilities in response to increasing power costs.

LEARN MORE

- [Details and Current Status of this program assessment.](#)
- [How all Federal programs are assessed.](#)
- [Learn more about Nuclear Physics.](#)

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Address <http://www.whitehouse.gov/omb/expectmore/detail.10000114.2005.html>

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NUCLEAR PHYSICS ASSESSMENT

- [View this program's assessment summary.](#)
- [Visit ExpectMore.gov](#) to learn more about how Federal Government programs are assessed and their plans for improvement.
- [Learn more](#) about detailed assessments.

Program Code 10000114

Program Title Nuclear Physics

Department Name Department of Energy

Agency/Bureau Name Department of Energy

Program Type(s) Research and Development Program
Competitive Grant Program
Capital Assets and Service Acquisition Program

Assessment Year 2003

Assessment Rating Effective

Assessment Action Scores

Section	Score
Program Purpose & Design	100%
Strategic Planning	80%
Program Management	66%
Program Results/Accountability	87%

Program Funding Level (in millions)

FY2005	\$395
FY2006	\$367
FY2007	\$454

Questions/Answers

Section 1 - Program Purpose & Design			
Number	Question	Answer	Score
1.1	Is the program purpose clear? <i>Explanation:</i> The mission of the Nuclear Physics (NP) program is to foster fundamental research in nuclear physics that will provide new insights and advance our knowledge on the nature of matter and energy and develop the scientific knowledge, technologies and trained manpower that are needed to underpin DOE missions. <i>Evidence:</i> FY04 Budget Request (www.mbe.doe.gov/budget/04budget/index.htm). Public Law 95-91 that established the Department of Energy (DOE). The NP Mission has been validated by the Nuclear Science Advisory Committee (NSAC).	YES	20%
1.2	Does the program address a specific and existing problem, interest, or need? <i>Explanation:</i> The NP program addresses five key questions: (1) What is the structure of the nucleon? (2) What is the structure of nucleonic matter? (3) What are the properties of hot nuclear matter? (4) What is the nuclear microphysics of the universe? (5) What is to be the new Standard Model? <i>Evidence:</i> NSAC Long-Range Plan (www.sc.doe.gov/production/henp/np/nsac/docs/LRP_5547_FINAL.pdf).	YES	20%

Done Internet

Improvement Plans

- All programs work to perform better each year
- Public accountability through ExpectMore. gov
- Detailed tracking and reporting in PARTWeb
 - specific actions
 - timeframes
- Overall agency progress monitored through Budget and Performance Integration scorecard

Improvement Plan in ExpectMore.gov Summary

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EXPECT FEDERAL PROGRAMS TO PERFORM WELL, AND BETTER EVERY YEAR.

Show Me Programs

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- **The program is also using external expert assessments to review the quality, relevance, and performance of the program's research portfolio and grant management process.**
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IMPROVEMENT PLAN

About Improvement Plans

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LEARN MORE

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- [How all Federal programs are assessed.](#)
- [Learn more about Nuclear Physics.](#)

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Improvement Plan in ExpectMore.gov Details

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Address: <http://www.whitehouse.gov/omb/expectmore/detail.10000114.2005.html>

2005	25, 3	28.1, 3.8
2006	17.5, 1.4	
2007	22, 1.8	

Annual Efficiency **Measure:** Average achieved operation time of the scientific user facilities as a percentage of the total scheduled annual operation time.

Explanation: See www.sc.doe.gov/measures for more information.

Year	Target	Actual
2001	>80%	85%
2002	>80%	89%
2003	>80%	88%
2004	>80%	89%
2005	>80%	87%
2006	>80%	
2007	>80%	

Annual Efficiency **Measure:** Cost-weighted mean percent variance from established cost and schedule baselines for major construction, upgrade, or equipment procurement projects.

Explanation: See www.sc.doe.gov/measures for more information.

Year	Target	Actual
2003	<10%, <10%	0%, 0%
2004	<10%, <10%	no projects
2005	<10%, <10%	no projects
2006	<10%, <10%	
2007	<10%, <10%	

Program Follow-up Actions

Year Began	Follow-up Action	Status	Comments
2005	Responding to the recommendations of recent advisory committee reports, including implementing a budget-constrained and phased plan for the future of its research facilities.	Action taken, but not completed	
2006	Engaging the National Academies, including experts outside of nuclear physics, to study the scientific capabilities of a proposed rare isotope accelerator in an international context.	Action taken, but not completed	
2006	Maximizing operational efficiency of major experimental facilities in response to increasing power costs.	No action taken	

- View our program's assessment summary.
- Visit ExpectMore.gov to learn more about program assessment and improvement by the Federal Government.
- Learn more about departmental assessments.

Last updated: 01232006.2005UPD

Resources on PART

- www.omb.gov/part
 - Information on process and schedule
 - Guidance for completing PART
 - PARTWeb link, user's manual
 - Supporting materials
- www.ExpectMore.gov

Discussion